

Effect of pH of medium on the dielectric properties and activity of deoxyribonucleases of *Bacillus amylozyma* and *Serratia marcescens*

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Abstract

It has been shown that increase in the activity of deoxyribonucleases of *Bac. amylozyma*, strain 9 A and *Serr. marcescens* strain 41 over the pH range 8·0-9·0 correlates with increase in the flexibility of the macromolecules of the enzymes. Change in the conformation of the protein macromolecules of the enzymes probably ensures the steric correspondence of the active centres of the enzymes with the molecules of the substrate, which leads to rise in their activity. © 1970.
